

SENSOR STRUCTURES AND METHODS FOR REDUCTION OF
DIFFERENTIAL-HEATING SIGNAL ERRORS
IN INTEGRATED CIRCUITS

ABSTRACT OF THE DISCLOSURE

5 Correction sensors and methods are provided for reduction of
differential-heating signal errors along a differential signal path of an
electronic circuit. An exemplary correction sensor includes first and
second transistors which are coupled to different sides of the differential
signal path and a differential error amplifier that couples a differential
correction signal to the differential signal path in differential response to
10 a differential error signal generated by like terminals of the first and
second transistors. Bias generators are preferably included to bias at
least one set of same terminals of the first and second transistors that
differ from the like terminals.